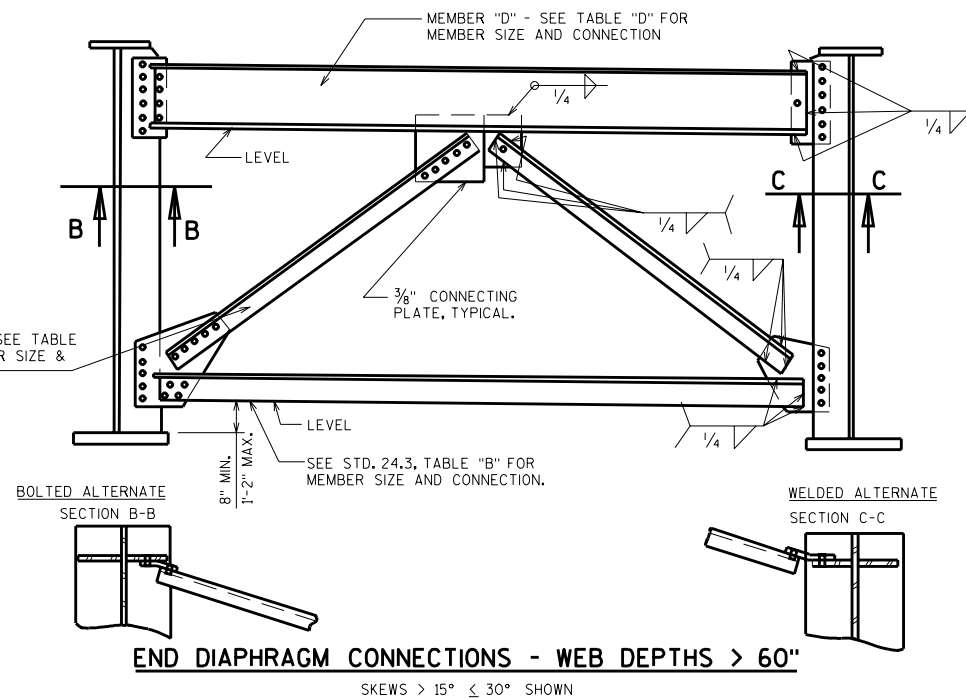


**END DIAPHRAGM CONNECTIONS - WEB DEPTHS > 48" < 60"**

**TABLE "D"**

MEMBER "C"	WEB DEPTH									MEMBER	MEMBER "D" CONN.	
	5'-0" - 6'-6"			6'-6" - 7'-6"			7'-6" - 8'-9"				NO. OF ¾" ϕ BOLTS	
MAXIMUM LENGTH	MEMBER "C" SIZE	NO. OF ¾" ϕ BOLTS	LENGTH OF ¼" WELD	MEMBER "C" SIZE	NO. OF ¾" ϕ BOLTS	LENGTH OF ¼" WELD	MEMBER "C" SIZE	NO. OF ¾" ϕ BOLTS	LENGTH OF ¼" WELD	"D" SIZE	CONN. PLATE TO BRG. STIFF.	MEMBER "D"
11'-6"	4 X 4 X 5/16	5	13	4 X 4 X 5/16	5	12	4 X 4 X 5/16	5	11	C12 X 20.7	6 @ 2 1/2"	4 @ 2 1/2"
13'-6"	5 X 5 X 5/16	6	17	5 X 5 X 5/16	6	16	5 X 5 X 5/16	6	15	C12 X 20.7	6 @ 2 1/2"	4 @ 2 1/2"
17'-6"	6 X 6 X 5/16	8	20	5 X 5 X 5/16	7	18	5 X 5 X 5/16	6	16	C15 X 33.9	7 @ 2 1/2"	5 @ 2 1/2"
22'-0"	6 X 6 X 5/16	9	23	6 X 6 X 5/16	8	21	6 X 6 X 5/16	7	19	MC18 X 42.7	7 @ 2 1/2"	6 @ 2 1/2"

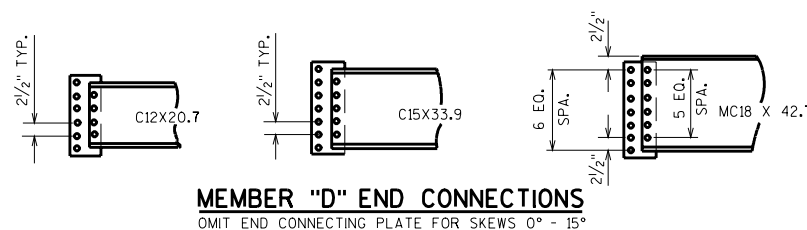
NOTE: ALL MEMBER "C" SIZES REPRESENT ANGLES.



**NOTES**

ALL BOLTED CONNECTIONS SHALL BE FRICTION TYPE MADE WITH 3/4" Ø HIGH STRENGTH BOLTS. (A.S.T.M. A325)

FOR WEB DEPTHS GREATER THAN 60", THE NUMBER OF BOLTS REQUIRED BETWEEN BEARING STIFFENERS AND LOWER CONNECTING PLATES EQUALS THE NUMBER OF BOLTS REQUIRED IN MEMBER "C" OR THE NUMBER REQUIRED IN THE LOWER HORIZONTAL MEMBER, WHICHEVER IS GREATER.



**END DIAPHRAGMS**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION  
STRUCTURES DEVELOPMENT SECTION

APPROVED: \_\_\_\_\_

DATE:  
1/99